

WIDE RANGE CRYSTAL OSCILLATOR

Abstract

A structure and associated method to allow an oscillator circuit to operate with a plurality of different crystals. The oscillator circuit comprises a semiconductor device and a crystal. The semiconductor device comprises a primary inverting amplifier and a programmable damping resistor. The crystal is electrically coupled to the primary inverting amplifier. A resistance value of the programmable damping resistor is adapted to vary in order to control an amount of current flow from the primary inverting amplifier to the crystal. The amount of the current flow to the crystal is dependent upon an electrical property of the crystal.